

Report for National Level Workshop on "CYBERSECURITY: AWARENESS TO ACTION"

Conducted on 17th September 2025
Organized by
School of Computer, Information and Mathematical Sciences (SCIMS),
Department of Computer Applications

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Introduction

One – Day *National Level Workshop*," *Cybersecurity: Awareness To Action*" was organized on **17th September 2025**,from **9.30 am to 3.30** pm. The Department of Computer Applications, School of Computer, Information and Mathematical Sciences organized the event.

The Resource person of this workshop was Mr. R. Dhanoop, Cybersecurity Analyst, TechByHeart India Pvt. Ltd., and was held at the Auditorium, Convention Centre, BSA Crescent Institute.

The report discusses about the following aspects of the programme:

Introduction

- ❖ 17th September 2025, the Department of Computer Applications organized a One Day National Level Workshop on Cybersecurity: Awareness To Action"
- ❖ The workshop was handled by the resource person Mr. R. Dhanoop
- ❖ The workshop was attended by students, faculty, and research scholars from colleges across Tamil Nadu and neighboring states.
- Over 500 participants from 21 different colleges and universities took part in the workshop.

Key Takeaways

- The workshop highlighted the importance of cybersecurity awareness in today's digital landscape and stressed the need for practical, actionable strategies to address evolving cyber threats. The session was carefully structured to equip participants with both a solid foundation of knowledge and hands-on skills, enabling them to understand the complexities of cybersecurity while also applying effective defensive measures in real-world contexts.
- The program covered the fundamentals of cybersecurity, with a focus on its growing significance in safeguarding academic, industrial, and personal digital environments. Participants were introduced to a range of real-world cyber threats along with corresponding preventive measures to strengthen resilience against such risks.

- A dedicated segment explored the automation in cybersecurity defense, showcasing how emerging technologies are reshaping security frameworks and enabling proactive threat detection.
- The workshop also featured a hands-on session on cyberattack detection and prevention, where attendees engaged in practical exercises to better understand attack patterns and mitigation techniques.
- The sessions highlighted best practices for both students and organizations to protect their digital assets, ensuring a proactive approach to cybersecurity in daily academic, professional and personal use.

Presentation and Delivery

- The workshop was structured to provide participants with both theoretical insights and practical exposure. The sessions began with an introduction to the key cybersecurity challenges faced in academia and industry, emphasizing the rapidly evolving nature of digital threats.
- This was followed by live demonstrations that illustrated real-world attack scenarios, including phishing attempts, malware infections, and intrusion detection mechanisms. These demonstrations helped participants gain a deeper understanding of how such threats operate and how they can be mitigated.
- In addition, interactive discussions were conducted on the role of artificial intelligence tools in threat intelligence and incident response, enabling participants to explore emerging technologies and their applications in strengthening cybersecurity practices.
- The delivery also emphasized practical engagement through case studies, where real-world incidents were analyzed. This provided participants with hands-on experience in examining, interpreting, and responding to security challenges in a structured manner.

Audience Engagement

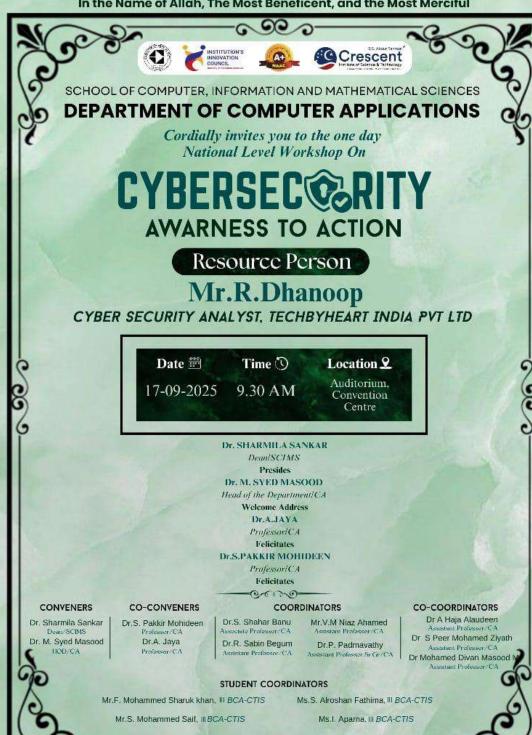
- The workshop was highly interactive with active student participation.
- ➤ The speaker encouraged participants to share views on recent cyber incidents.
- Insights were provided into career opportunities in cybersecurity and the role of AI in defense systems.

Conclusion

- ❖ The One-Day National Level Workshop on "Cybersecurity: Awareness to Action," held on 17th September 2025, provided participants with a solid understanding of cybersecurity fundamentals, emerging threats, and Aldriven defense mechanisms.
- ❖ The knowledge, hands-on demonstrations, and practical strategies will help students and faculty to enhance their academic projects and research in cybersecurity and AI applications.

The Event Flyer and Brochure highlighting the necessary information One Day National Level Workshop on "Cybersecurity: Awareness to Action" was designed and circulated. The Flyer & Brochure is displayed below:





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Attached are some snapshots of the workshop, showcasing the engaged audience and the speaker's presentation.





